

FIG. 1

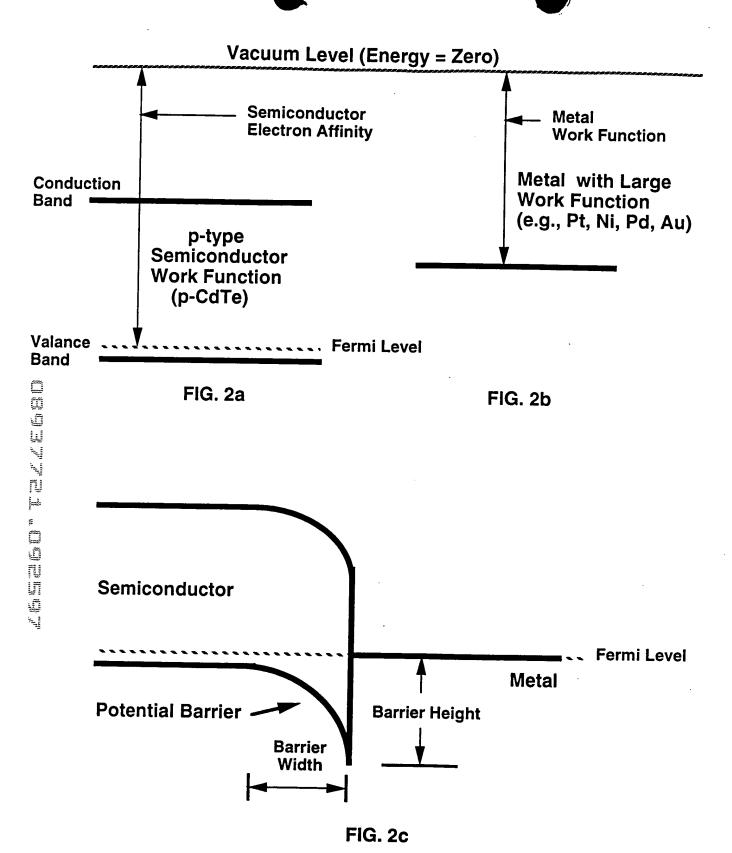
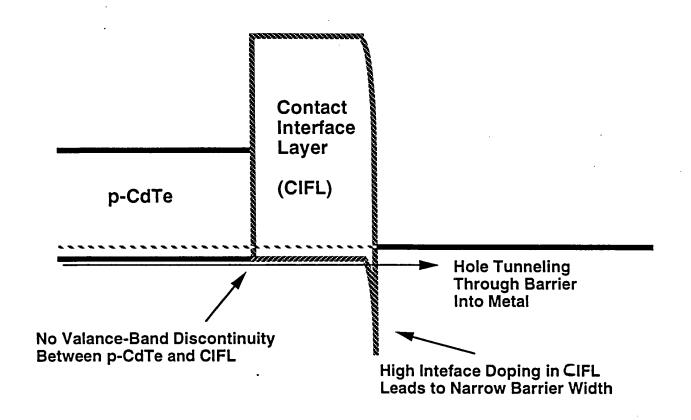


FIG. 2



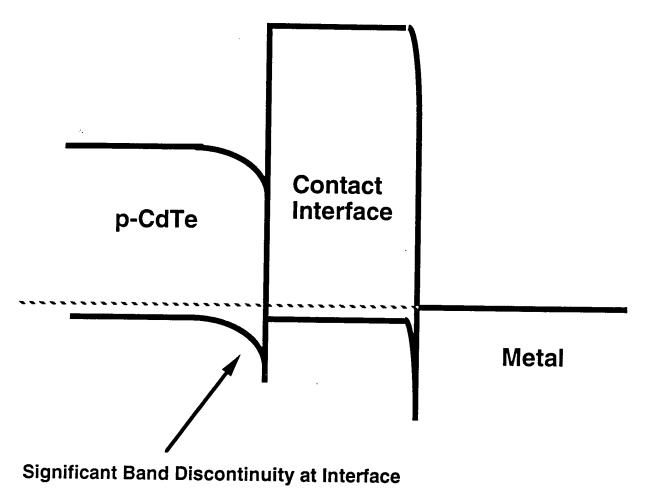
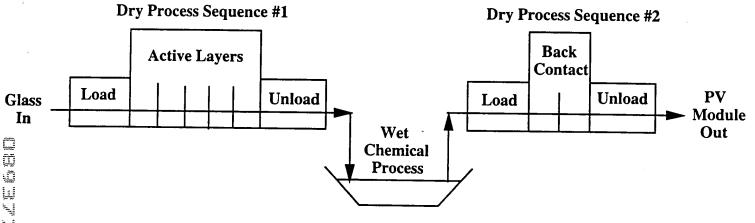


FIG. 4

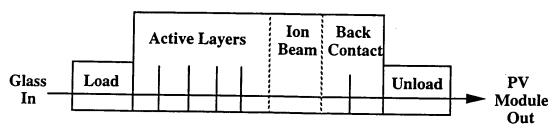
Thin-film Photovoltaic Device Fabrication

State-of-the-Art Process Sequence



Improved Process Sequence

Single Dry Process Sequence



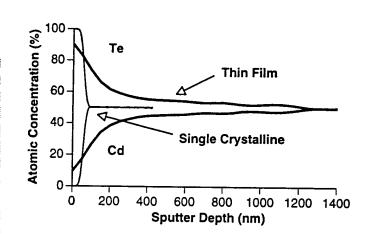


FIG. 6



FIG. 7a 1 μm

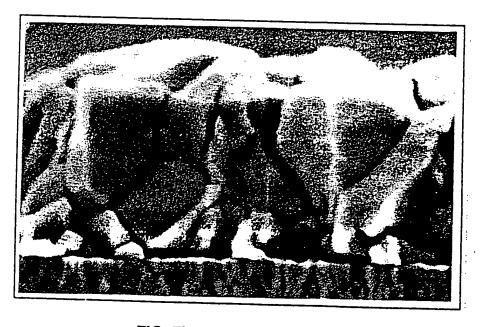


FIG. 7b

1 μm

FIG. 7

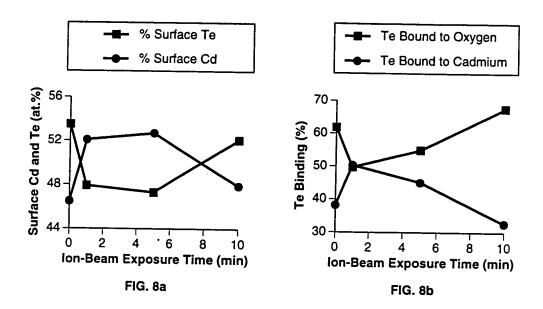
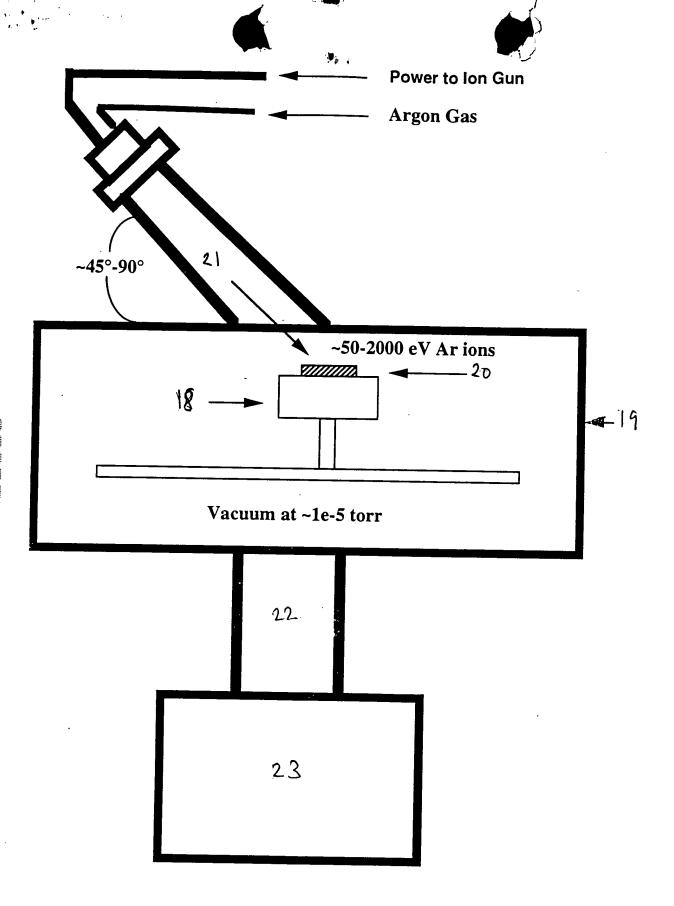


FIG. 8



'n.

FIG. 9